Add. 3	**Course program for the second level (second cycle - postgraduate) of studies**					
1.	Course title		Selected topics in informatics			
2.	Code		1M4SEE02			
3.	Study group(s)		SEE			
4.	The organizer of the study program (unit, institute, department)		"Ss. Cyril and Methodius" University in Skopje, Faculty of Mechanical Engineering – Skopje			
5.	Level (first, second, third degree)		Second			
6.	Academic year / semester		V / winter	7.	ECTS credits	6
8.	Professor(s)		Prof. Dr. Dushan Chakmakov Ass. Prof. dr. Emilija Celakoska			
9.	Prerequisites for enrolling the course		None			
10.	Course objectives (competences): Design and use of computer databases or use of specific software for engineering applications.					
11.	Course content: Introduction of basic topics in computer databases. Including: relational databases, query language, design and normalization and realization of a database in a chosen DBMS. Alternatively, the students can choose to work in selected computer software for engineering applications according to their interests and future assailments.					
12.	Study methods: Interactive lectures, auditory and/or laboratory practice, selfrunning and/or team work on project assignments, selfrunning assignments					
13.	Total hours		6 ECTS x 30 = 180 hours			
14.	Hours allocation per activity:		30+30+60+60=180 hours			
15.	Lectures/Lab	15.1.	Lectures (15 weeks x 2)			30 hours
		15.2.	Lab (student work)			/
16.	Project Work/Assignments	16.1.	Project assignments			30
		16.2.	Individual assignments			60
		16.3.	Self-study			60
17.	Points/Marks:					
	17.1.	Exams				50
	17.2.	Projects				50
	17.3.	Attendance				/
18.	Grading scale		Under 50			5 (five) (F)
			51 - 60 points			6 (six) (E)
			61 - 70 points			7 (seven) (D)
			71 - 80 points			8 (eight) (C)
			81 - 90 points			9 (nine) (B)
			91 - 100 points			10 (ten) (A)
19.	Prerequisites for taking the final exam					
20.	Language		English			
21.	Course evaluation		Student questionnaire			
22.	Textbooks					
	22.1	Instruction materials				

		No.	Author	Title	Publisher	Year
		1.	Oppel A.	Database Demystified	McGrow-Hill	2004
		2.	Gilat A.	MATLAB An Introduction with Applications	John Wiley & Sons	2011
	22.2	Supplemental Instruction Materials				
		No.	Author	Title	Publisher	Year
		1.	Cormen T.H., Leiserson C.E., Rivest R.L., Stein C.	Introduction to Algorithms, 3rd edition	The MIT Press	2009